

**MAGNETIC RECORDING HEAD HAVING A CORROSION-PROTECTIVE
LAYER OF A METAL SALT OF A PERFLUORINATED POLYETHER ACID**

ABSTRACT OF THE DISCLOSURE

A process is provided for synthesizing metal salts of perfluorinated polyethers containing at least one carboxylic acid group. The polymeric salts so provided are effective as anti-wetting and corrosion-protective agents. The metal salts of perfluorinated polyether acids may be used to prepare corrosion-protected substrates, including magnetic recording disks and magnetic recording heads.